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NOTICE OF ALLOWANCE AND FEE(S) DUE

67305

7590

06/17/2009

SOROKER-AGMON ADVOCATE AND PATENT ATTORNEYS NOLTON HOUSE, 14 SHENKAR STREET HERZELIYA PITUACH, 46725 ISRAEL EXAMINER

TRAN, DALENA

ART UNIT PAPER NUMBER

3664 DATE MAILED: 06/17/2009

	APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
_	10/537,475	10/24/2005	Nir Padan	0002311USU/2279	3345

TITLE OF INVENTION: DYNAMIC GUIDANCE FOR CLOSE-IN MANEUVERING AIR COMBAT

APPEN TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	prev. Paid issue fee	TOTAL FRE(S) DUE	DATE DUE
logiciss securion	·VB\$	\$755	\$300	80	\$1055	09/17/2000

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

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10/537,475	10/24/2005			Nir Padan			-00()2311USU/2279	3345
TITLE OF INVENTION	: DYNAMIC GUIDANG	SE FOR CLO	· · · ·	NEUVERING AIR C		AT PREV. PAID ISSUE	sec l	TOTAL FEE(S) DUE	DAYE DUE
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The Address' indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.				(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered paner or agent) and the names of up to 2 registered paner at torneys or agents. If no name is 3 listed, no name will be printed.					
3. ASSIGNEE NAME A	ND RESIDENCE DATA	TO BE PRI	NTED ON	THE PATENT (print	or typ	<u></u>	••••	•••••••••••••••••••••••••••••••••••••••	
PLEASE NOTE: Uni	ess an assignee is ident h in 37 CFR 3.11. Com	fied below.	no assignee form is NO	data will appear on T a substitute for filir	the pa	tent. If an assign ssienment	ee is id	entified below, the do	cument has been filed for
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Picase check the appropr	iate assignee category or	categories (v	vill not be p	rinted on the patent):		individual OC	orporati	on or other private gro	ap entity Government
4a. The following (ec(s)	are submitted:		4	b. Payment of Fee(s):	(Pica	se first reapply at	y prev	iously paid issue fee s	hown above)
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Publication Fcc (No small entity discount permitted) Advance Order - # of Copies			Payment by credit card. Porm PTO-2038 is attached. The Director is hereby authorized to charge the required fac(s), any deficiency, or credit any overpayment, to Deposit Account Number(enclose an extra copy of this form).						
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 Change in Entity State Applicant claim 	tus (from status indicate is SMALL ENTITY stati		R 1.27.	Db. Applicant is n	to long	er claiming SMAI	LL ENT	FITY status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee ast interest as shown by the i	d Publication Fee (if req records of the United Sta	nired) will no tes Patent an	st be accepte d Trademark	d from anyone other					e assignce or other party in
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	Application No.	Applicant(s)				
	10/537,475	PADAN, NIR				
Notice of Allowability	Examiner	Art Unit				
	Dalena Tran	3664				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
1. A This communication is responsive to 4/1/09.						
2. The allowed claim(s) is/are 1-14.16.18-22.27-36(now rent	umbered as 1-30)					
3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE *MAILING DATE* of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying Indical such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material /Dalena Tran/ Primary Examiner, Art Unit 3664) 6. ☐ Interview Su Paper No./t 7. ☐ Examiner's	ormal Patent Application Immary (PTO-413), Vail Date Amendment/Comment Statement of Reasons for Allowance				



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10537475	10/24/05	PADAN, NIR	0002311USU/2279

SCROKER-AGMON ADVOCATE AND PATENT ATTORNEYS NOLTON HOUSE, 14 SHENKAR STREET HERZELIYA PITUACH, ISRAEL 46725

DATE MARLED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The drawing filed on 6/3/05 has been approved.

Application/Control Number: 10/537,475 Page 2

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EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

1. This communication is an Examiner's reasons for allowance in response to application filed on 10/24/05, assigned serial 10/537475 and title "Dynamic guidance for close-in maneuvering combat".

2. The following is the Examiner's statement of reasons for the indication of allowable subject matter:

After carefully reviewing the application in light of the amended claims and the additional search of all the possible areas relevant to the present application, a set of related prior art references has been found, but those prior art references are not deemed strong to make the application unpatentable. Thus, it is found that the application is now in condition for allowance.

As per claim 1, the prior art of record does not disclose a system for optimizing a performance of an operating crew of at least one aerial vehicle during at least one close-in air combat, the system comprising: an assessment and guidance software application implemented on the at least one computer for providing in real-time automatic situation assessment, generating dynamically at least one indication related to the at least one close-in air combat and communicating the at least one indication as guidance to the operating crew of the at least one aerial vehicle, wherein automatic situation assessment relates to a situation of a dog fight air combat between two aircraft vehicles. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

As per claim 27, the prior art of record does not disclose a method for optimizing a performance of an operating crew of at least one aerial vehicle during at least one close-in air combat by providing in real-time automatic situation assessment data and by generating

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dynamically at least one instruction and by communicating the at least one instruction as guidance to the operating crew of the at least one aerial vehicle, the method comprising the steps of: obtaining aircraft weapon system characteristics information; and analyzing the situation between the at least two aerial vehicles and mapping the analyzed situation in relation to previously analyzed situations between the at least two aerial vehicles; determining at least one optimal state of the at least one aerial vehicle based on the at least one optimal air combat situation between the at least two aerial vehicles; generating at least one recommendation concerning a preferred maneuvering of the at least one aerial vehicle based on the analyzed situation between the at least two aerial vehicles, aircraft characteristics and aircraft weapon system characteristics information. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

As per claim 30, the prior art of record does not disclose an apparatus for optimizing the performance of an operating crew of at least one aerial vehicle during at least one close-in air combat by providing in real-time automatic situation assessment, the apparatus comprising: analyzing the situation between tile at least two aerial vehicles and mapping the analyzed situation in relation to the previously analyzed situations between at least two aerial vehicles; based on the analysis determine at least one optimal state of the at least one aerial vehicle based on the at least one optimal air combat situation between the at least two aerial vehicles; and generating at least one recommendation based on the at least one optimal future potential air combat situation between the at least two aerial vehicles. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

Claims 1-14, 16, 18-22, and 27-36, are allowable over the prior art of record.

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3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dalena Tran whose telephone number is 571-272-6968. The

examiner can normally be reached on M-W (in a first week of a bi-week), and T-R (in a second

week of bi-week) from 7:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Khoi H. Tran can be reached on 571-272-6919. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dalena Tran/

Primary Examiner, Art Unit 3664

June 12, 2009

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